

CLIPPEDIMAGE= JP403288646A

PAT-NO: JP403288646A

DOCUMENT-IDENTIFIER: JP 03288646 A

TITLE: INK JET RECORDER

PUBN-DATE: December 18, 1991

INVENTOR-INFORMATION:

NAME

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SUZUKI, HIDEAKI

AIDA, MAYUMI

ASSIGNEE-INFORMATION:

NAME

SEIKO EPSON CORP

COUNTRY

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APPL-NO: JP02089331

APPL-DATE: April 4, 1990

INT-CL (IPC): B41J002/01

US-CL-CURRENT: 347/8

ABSTRACT:

PURPOSE: To dispose a mechanism for pressing a recording medium near nozzles to improve a printing quality by a method wherein fixing screws for fixing a case member covering an ink jet substrate to an ink jet recording head are disposed vertically to a recording medium feed direction.

CONSTITUTION: Printing paper 9 is disposed horizontally and fed from the right to left of an X axis in the figure by paper feed rollers 10. Presser boards 8 keep a constant Z-axial distance between an ink jet recording head 1 and the printing paper 9 by pressing the printing paper 9 on a flat platen 7. The head 1 delivers ink downward in the Z-axis direction while moving in the Y-axis direction to conduct recording. A mask plate 4 as one of case members of the head 1 is fixed to a holder 6 with fixing screws 5, which are juxtaposed in the Y-axis direction of a nozzle line arranged in the X-axis direction of the head 1. In this construction, there is no fixing screws 5 on the upper and lower sides of the nozzle line of the head 1 in the X-axis direction. Thus, the both sides of the holder 6 can be chamfered in the X-axis direction of the nozzle line, whereby the presser board 8 can be disposed near the nozzle line. A Z-axial distance between the nozzles and the recording medium can be kept constant.

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CLIPPEDIMAGE= JP401226379A

PAT-NO: JP401226379A

DOCUMENT-IDENTIFIER: JP 01226379 A

TITLE: RECORDING APPARATUS

PUBN-DATE: September 11, 1989

INVENTOR-INFORMATION:

NAME

OKAMURA, SHIGERU

ASSIGNEE-INFORMATION:

NAME

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COUNTRY

N/A

APPL-NO: JP63051667

APPL-DATE: March 7, 1988

INT-CL (IPC): B41J029/00;B41J003/04 ;B41J013/10 ;B41J015/04

US-CL-CURRENT: 347/104,400/702

ABSTRACT:

PURPOSE: To enhance recording grade by preventing the re-transfer of the ink transferred to a spur to a recording medium, by providing a means for removing the ink, which has been transferred to the spur from the recording surface of the recording medium, from the spur.

CONSTITUTION: Absorbing bodies 22, 22' for absorbing ink are bonded to the surfaces on the sides brought into contact with spurs 10, 11 under pressure of blotter plates 21, 21' so as to be brought into contact with the spurs 10, 11 under pressure. Even when ink is transferred to the teeth of the spurs 10, 11 rotated in the state brought into contact with recording paper 26 under pressure from recording paper 25 at the time of paper feed, the tooth parts of the spurs 10, 11 to which the ink is transferred with the rotation of the spurs 10, 11 are slid with the absorbing bodies 22, 22' and the ink transferred to the teeth of the spurs is absorbed by the absorbing bodies 22, 22' to be removed from the spurs 10, 11. Therefore, the re-transfer of the ink transferred to the spurs 10, 11 to the recording paper 26 can be prevented and recording grade can be enhanced.

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CLIPPEDIMAGE= JP404007185A

PAT-NO: JP404007185A

DOCUMENT-IDENTIFIER: JP 04007185 A

TITLE: ADJUSTING MECHANISM OF POSITION OF RECORDING HEAD IN INK JET PRINTER

PUBN-DATE: January 10, 1992

INVENTOR-INFORMATION:

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APPL-NO: JP02109680

APPL-DATE: April 24, 1990

INT-CL (IPC): B41J025/308

US-CL-CURRENT: 347/8

ABSTRACT:

PURPOSE: To correctly adjust the gap between a memory head and a memory medium and to make the bottom margin as small as possible by supporting a movable member for adjusting the position of the head in a swaying fashion by means of a first carriage guide member, and holding at a free end of the movable member a paper retainer plate extending between a platen and the memory head, and a second carriage guide member.

CONSTITUTION: Movable levers 14 are supported in a swaying fashion at both ends of a first carriage guide 8 which is fixed to be approximately even with the surface of a platen 5. A second carriage guide 9 is provided at a free end part of each movable lever 14. Moreover, a paper retainer plate 15 is extended and fixed via a bracket 18 to the lower edge of the free end, so that a recording paper (s) sent onto the surface of the platen 5 is pressed from above, and the movable lever 14 is shifted upward by the distance corresponding to the thickness of the paper. The position of the second carriage guide 9 is set via the levers 14.

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